NOV 2 4 2004 SEQUENCE LISTING

<110> Smith, Johnathan F. Kamrud, Kurt I. Rayner, Jon O. <120> IMPROVED ALPHAVIRUS REPLICONS AND HELPER CONSTRUCTS <130> 9368-5 <140> US 10/804,331 <141> 2004-03-19 <150> US 60/456,196 <151> 2003-03-20 <160> 44 <170> PatentIn version 3.2 <210> 1 <211> 18 <212> PRT <213> Artificial <220> <223> Insertion sequence <400> 1 Ile Thr Ser Met Asp Ser Trp Ser Ser Gly Pro Ser Ser Leu Glu Ile 5 10 15 Val Asp <210> 2 <211> 357 <212> DNA <213> Artificial <220> <223> Spacer sequence <400> 2 ctgaatgaag ccataccaaa cgacgagcgt gacaccacga tgcctgtagc aatggcaaca 60 acgttgcgca aactattaac tggcgaacta cttactctag ctaccaactc tttttccgaa 120 ggtaactggc ttcagcagag cgcagatacc aaatactgtt cttctagtgt agccgtagtt 180 aggccaccac ttcaagaact ctgtagcacc gcctacatac ctcgctctgc taatcctgtt 240 accagtggct gctgccagtg gcgataagtc gtgtcttacc gggttggact caagacgata 300

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